

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10578837"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/16 09:36
S2	1	downhole same swivel\$4 same (connect\$4 joint coupl\$4) same (allow\$4 permit\$4) same (stop\$4 prevent\$4) same (ring with ("C" split deform\$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/16 09:47
S3	4	(downhole same swivel\$4 same (connect\$4 joint coupl\$4)) same3 (allow\$4 permit\$4) same3 (stop\$4 prevent\$4) same3 (ring with ("C" split deform\$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/16 09:48
S4	543	downhole same swivel\$4 same (connect\$4 joint coupl\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/16 09:50
S5	161	downhole with swivel\$4 with (connect\$4 joint coupl \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/16 09:51
S6	2	("7281584").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/09/16 09:56
S7	996	166/311	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/16 10:12
S8	491	(166/173).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/09/16 10:46

S9	104	(166/242.7).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/09/16 11:05
S11	137	(464/20).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/09/16 12:16
S12	6	((("6082457") or ("4632193") or ("20040094309")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/09/16 12:48
S13	4	"9719248"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/16 12:59
S14	3	"9829637"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/16 13:00
S15	10	(downhole same swivel\$4 same (connect\$4 joint coupl\$4)) same3 (ring with ("C" split deform\$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/16 13:01
S16	33	(downhole wellbore borehole) with lock\$4 with swivel\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/16 13:07
S17	25	((RORY) near2 (TULLOCH)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/16 13:10
S18	59	((BRUCE) near2 (MCGARIAN)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/16 13:16
S19	9	("20040168832"   "20050230119"   "20060118298"   "20070246217"   "4240674"   "4793417"   "6772835"   "7152674"   "7281584").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/17 09:08
S20	0	("7506704").URPN.	USPAT	OR	ON	2009/09/17 09:12
S21	0	("6516878").URPN.	USPAT	OR	ON	2009/09/17 09:13

S22	5	("4191255"   "4550781"   "5018580"   "5253710"   "5984006").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/17 09:14
S23	8	("5697768").URPN.	USPAT	OR	ON	2009/09/17 09:16
S24	6	("4030546"   "4669961"   "5139090"   "5417281"   "5431230"   "5549465").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/17 09:19
S25	21	("5139090").URPN.	USPAT	OR	ON	2009/09/17 09:20
S26	27	("1560984"   "1650102"   "1965907"   "2178700"   "2294061"   "2471198"   "2595434"   "2630181"   "2693238"   "2788074"   "3075584"   "3100538"   "3643737"   "4278278"   "4601343").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/17 09:23
S27	26	("4986690").URPN.	USPAT	OR	ON	2009/09/17 09:26
S28	8	("6082457").URPN.	USPAT	OR	ON	2009/09/17 09:41
S29	8	("4573536"   "4576229"   "4728124"   "4890682"   "4958691"   "5431221"   "5669455"   "5857710").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/17 09:49
S30	2	("6241032").URPN.	USPAT	OR	ON	2009/09/17 09:57
S31	8	("3908453"   "4391328"   "4632193"   "4848531"   "5673764"   "5775444"   "5918690"   "6082457").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/17 09:58

9/17/09 11:29:34 AM

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